

**BIBCOCK FOR WASHBASIN**

**BACKGROUND OF THE INVENTION**

**Field of the Invention**

[01] The present invention relates to a bibcock for washbasin, and more particularly, to a bibcock for washbasin, which has a control lever mounted at the lower body of a discharge pipe for discharging hot and cold water, to regulate the amount of hot and cold water supplied, thereby allowing a user to clean the control lever conveniently and to use it sanitarily.

**Background of the Related Art**

[02] In general, a bathtub and a washbasin are installed in a bathroom of a house. The bathtub has a bibcock capable of regulating a supply amount of hot and cold water, a shower is mounted on the bibcock for allowing a user to take a shower, and another bibcock capable of regulating the amount of hot and cold water supplied is mounted on the washbasin.

[03] As shown in FIG. 1, the bibcock for the washbasin includes: a bibcock body 11 having a discharge pipe 12, the discharge pipe 12 extending to the front from the washbasin 1, which is installed on the wall surface, and having an outlet 13; a control lever 14 mounted at the upper end of the bibcock body 1

to control hot and cold water supply and regulate the amount of water; and a lift rod 15 mounted at the rear side of the bibcock body 11 for opening and closing a drainage cock 16 positioned on the floor of the washbasin 1.

**[04]** After the lift rod 15 is lifted up, when the control lever 14 is rotated to open the outlet 13 in a state in which the drainage cock 16 is closed, water of an appropriate temperature is discharged through the outlet 13. When water of a desired amount is discharged, the user closes the control lever 14, and then, washes his/her face and hands. After that, when the lift rod 15 is pressed down, the drainage cock 16 is opened, and water stored inside the washbasin 1 is drained through a drainage pipe(not shown).

**[05]** However, the conventional bibcock 10 has a disadvantage in that the user must frequently clean the control lever 4 as the control lever 14 is stained with soapy water splashed when the user washes his/her face and hands inside the washbasin 1 and as soapy water stained between the control lever 14 and the bibcock body 11 for a long time causes a bad smell and an unsanitary condition. However, the conventional bibcock 10 is complicated in cleaning as the control lever 14 is located at the upper end of the bibcock body 11, i.e., at a position higher than water discharged from the outlet 13.

[06] Therefore, the conventional bibcock 10 is very unsanitary as the user cannot frequently clean the control lever 14.

#### **SUMMARY OF THE INVENTION**

[07] Accordingly, the present invention is directed to a bibcock for washbasin that substantially obviates one or more problems due to limitations and disadvantages of the related art.

[08] An object of the present invention is to provide a bibcock for washbasin, which has a control lever, for regulating a supply amount of hot and cold water, located lower than the height of water discharged from an outlet of the bibcock by mounting the control lever at the front side of the lower portion of a discharge pipe, thereby allowing a user to clean the control lever conveniently and to use sanitarily.

[09] To achieve the above object, according to the present invention, there is provided a bibcock for washbasin including: a body of a predetermined height mounted at the upper end of a washbasin for being supplied with hot and cold water, the body having a valve therein; a discharge pipe extending from the body to the front side and having a outlet formed at an end thereof for hot and cold water supply; and a control lever mounted at the front side of the lower body of the discharge pipe and connected

with the valve for regulating the amount of hot and cold water supplied.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

[10] The above and other objects, features and advantages of the present invention will be apparent from the following detailed description of the preferred embodiments of the invention in conjunction with the accompanying drawings, in which:

[11] FIG. 1 is a perspective view of a conventional bibcock for washbasin;

[12] FIG. 2 is a perspective view of a bibcock for washbasin according to the present invention; and

[13] FIG. 3 is a sectional view taken by the line of A-A of FIG. 2.

#### **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT**

[14] Reference will now be made in detail to the preferred embodiments of the present invention, examples of which are illustrated in the accompanying drawings.

[15] For reference, like reference characters designate corresponding parts throughout several views, and repeated description of the same parts and constructions will be omitted.

[16] FIG. 2 is a perspective view of a bibcock for washbasin according to the present invention, and FIG. 3 is a sectional view taken by the line of A-A of FIG. 2.

[17] First, the washbasin 1 according to the present invention includes a reservoir 2 for storing water, and a drainage cock 16 mounted on the floor of the reservoir 2 in an openable way.

[18] The drainage cock 16 is connected with the lift rod 15 mounted at the rear portion of the bibcock 100, which will be described later, and opened and closed according to vertical movement of the lift rod 15.

[19] The bibcock 100 is mounted at the upper end of the washbasin 1.

[20] Here, the bibcock 100 is connected with a water supply pipe 3 for supplying hot and cold water.

[21] The bibcock 100 includes a body 110, a discharge pipe 120, and a control lever 130.

[22] The body 110 is mounted at the upper end of the washbasin 1 and supplied with hot and cold water from the water supply pipe 3, and has a valve 140 therein, thereby controlling flow of hot and cold water toward the discharge pipe 120.

[23] Here, the valve 140 is a well-known common valve, and so, a detailed description thereof will be omitted.

[24] The body 110 has a predetermined height to install the control lever 130 to the front side of the body 110 and to secure a space where the user washes his/her face and hands inside the washbasin 1, thereby preventing accidents, e.g., a case that the user's head is bumped into the discharge pipe 120, which will be described later, when washing the user's face, hands and/or hair.

[25] Moreover, the discharge pipe 120 extends from the body 110 to the front, and has an outlet 121 formed at an end thereof for discharging hot and cold water.

[26] The control lever 130 is mounted at the front side of the lower body 110 of the discharge pipe 120, and connected with the valve 140 to control the valve 140.

[27] That is, the control lever 130 is located at a position lower than the height of water discharged through the outlet 121 of the discharge pipe 120.

[28] Furthermore, the control lever 130 can be rotated in all directions to control the valve 140, thereby regulating the amount of hot and cold water discharged.

[29] Here, it would be appreciated that the control lever 130 can have one of various structures capable of controlling the valve 140, besides the structure shown in the drawings.

[30] As described above, in the bibcock for washbasin according to the present invention, when the control lever 130 is rotated into an open condition, water induced into the body 110

through the water supply pipe 3 passes the valve 140, and then, discharged out through the outlet 121 after moving along the discharge pipe 120. After that, the water discharged out through the outlet 121 is stored in the reservoir 2.

[31] After water is completely stored in the reservoir 2, the user washes his/her face, hair and/or hands after rotating the control lever 130 into a close condition.

[32] Even though soapy water is splashed to the control lever 130 when the user washes his/her face, hair and/or hands, as the control lever 130 is located lower than the height of water discharged through the outlet 121 of the discharge pipe 120, the user can clean the control lever easily, and always use the bibcock 100 sanitarily and cleanly.

[33] As described above, the control lever is mounted at the front side of the lower body of the discharge pipe and located lower than the height of water discharged through the outlet, so that the user can clean the control lever easily, and always use the bibcock sanitarily and cleanly.

[34] The forgoing embodiment is merely exemplary and is not to be construed as limiting the present invention. The present teachings can be readily applied to other types of apparatuses. The description of the present invention is intended to be illustrative, and not to limit the scope of the claims. Many

alternatives, modifications, and variations will be apparent to those skilled in the art.